

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RESPONSE UNDER RULE 116  
EXPEDITED HANDLING PROCEDURES

Atty Dkt. 1417-348

C#/M#

Group Art Unit: 1754

Examiner: Johnson

Date: October 3, 2002

In re Patent Application of

IMAI et al

Serial No. 09/840,878

Filed: April 25, 2001

Title: IRON COMPOUND CATALYST FOR INHIBITING GENERATION OF  
DIOXIN AND INCINERATION PROCESS OF MUNICIPAL SOLID  
WASTE USING THE SAME

Assistant Commissioner for Patents

Washington, DC 20231

Corres. and Mail  
**BOX AF  
RECEIVED**

OCT 09 2002

TC 1700

Sir:

**RESPONSE/AMENDMENT/LETTER**

This is a response/amendment/letter in the above-identified application and includes an attachment which is hereby incorporated by reference and the signature below serves as the signature to the attachment in the absence of any other signature thereon.

**Fees are attached as calculated below:**

Total effective claims after amendment **9** minus highest number  
Previously paid for **20** (at least 20) = **0** x \$ **18.00** \$ **0.00**

Independent claims after amendment **3** minus highest number  
Previously paid for **3** (at least 3) = **0** x \$ **84.00** \$ **0.00**

If proper multiple dependent claims now added for first time, add \$280.00 (ignore improper) \$ **0.00**

Petition is hereby made to extend the current due date so as to cover the filing date of this  
Paper and attachment(s) (\$110.00/1 month; \$400.00/2 months; \$920.00/3 months) \$ **400.00**

Terminal disclaimer enclosed, add \$ 110.00 \$ **0.00**

☐ First/second submission after Final Rejection pursuant to 37 CFR 1.129(a) (\$740.00) \$ **0.00**

☐ Please enter the previously unentered, filed

☐ Submission attached

**SUBTOTAL \$ 400.00**

If "small entity," then enter half (1/2) of subtotal and subtract -\$ **0.00**

☐ Applicant claims "small entity" status. ☐ Statement filed herewith

Rule 56 Information Disclosure Statement Filing Fee (\$180.00) \$ **0.00**

Assignment Recording Fee (\$40.00) \$ **0.00**

Other: **0.00**

**TOTAL FEE ENCLOSED \$ 400.00**

The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Account No. 14-1140. A duplicate copy of this sheet is attached.

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NIXON &amp; VANDERHYE P.C.

By Atty.: Arthur R. Crawford, Reg. No. 25,327

Signature: 



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

IMAI et al

Atty. Ref.: 1417-348

Serial No. 09/840,878

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Filed: April 25, 2001

Examiner: Johnson

For: IRON COMPOUND CATALYST FOR INHIBITING GENERATION OF DIOXIN  
AND INCINERATION PROCESS OF MUNICIPAL SOLID WASTE USING THE  
SAME

\* \* \* \* \*

October 3, 2002

Assistant Commissioner for Patents  
Washington, DC 20231

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OCT 0 9 2002

**TC 1700**

Sir:

**AMENDMENT AFTER FINAL REJECTION**

Responsive to the Official Action dated (for which petition is hereby made for a  
one month extension of time), please amend the above-identified application as follows:

**IN THE CLAIMS**

Please substitute the following amended claim(s) for corresponding claim(s)  
previously presented. A copy of the amended claim(s) showing current revisions is  
attached.

16. (Amended) An iron compound catalyst for inhibiting the generation of dioxin,  
consisting essentially of iron oxide particles, iron oxide hydroxide particles or mixture  
thereof and having a catalytic activity capable of converting at least 15 % of carbon  
monoxide into carbon dioxide when  $2.8 \times 10^{-4}$  mol of iron oxide particles obtained by

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